

### Abstract

The present invention aims to transform an existing program into a structure suitable to new technology software. An inputting unit 1100 inputs a COBOL program 100 and stores in a memory unit 1800. A dividing unit 1200 decomposes the COBOL program 100 into plural blocks of programs, and a syntax analyzing unit 1300 analyzes syntaxes of each of the decomposed programs. A program judging unit 1400 judges a role of each program, and a section judging unit 1500 judges contents and roles of sections within each program. After these operations, an extracting/transforming unit 3100 extracts/transforms data to generate a final program 300, and as a result, a transformation apparatus is provided, which automatically transforms the source code of the COBOL program 100 into the source code of the final program 300.